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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,193	01/26/2004	Lobo Wang	MR1115-502	6439
4586	7590	07/26/2005	EXAMINER	
ROSENBERG, KLEIN & LEE 3458 ELLICOTT CENTER DRIVE-SUITE 101 ELLICOTT CITY, MD 21043			WRIGHT, INGRID D	
			ART UNIT	PAPER NUMBER
			2835	

DATE MAILED: 07/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No. 10/763,193	Applicant(s) WANG, LOBO	
	Examiner Ingrid Wright	Art Unit 2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 & 4 are rejected under 35 U.S.C. 102 (b) as being anticipated by Ouchi et al. (US PN 5796577).

With respect to claim 1, Ouchi et al. teaches (Fig. 3) a notebook computer (1), which inherently includes calculating function comprising a body (10) having several press groups (20) placed on its one side and a containing space (50) placed on the other side for containing the display unit (60,70); a display unit (60,70) comprising a main panel (60) and an assistant panel (70), the main panel (60) and the assistant panel (70) being placed on two joint planes; and a couple device (40) joining the body (10) and the display unit (60,70); the main panel (60) and the assistant panel (70) keep a fit angle on the body (10) so that the handlers and other users opposite to the handlers find out the calculating information at the same time and the display unit (60,70) that can be supported in an open position (open status) substantially perpendicular to the body (10) (Column 1, Lines 56-63 & Column 2, Lines 1-42).

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With respect to claim 4, Ouchi teaches an outer wall surface (near element 50 in Fig. 3, for example) which is a push part for the user to rotate the display.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2 & 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ouchi et al. (US PN 5796577) in view of Homer (US 2005/0122671 A1).

With respect to claim 2, Ouchi et al. teaches (Fig. 3) at least a pivot (40) and a containing space (50).

Ouchi et al. does not teach a containing space having containing holes and locating holes.

Homer teaches (Fig. 4) a containing space (38) having a pair of containing holes (82) placed on its two sidewalls (46,48), and the display unit (50) having a locating hole penetrating the display unit (50) placed between two sidepieces (46,48), the locating

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hole and the containing holes (82) are paired for containing the pivot (16a,16b), so that the pivot(16a,16b) connects the display unit (50) with the body (12)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the containing holes as taught by Homer with the containing space of Ouchi et al., in order to provide a more secure means of the display unit.

With respect to claim 3, Homer teaches (Fig. 3) a pair of pivots (16a, 16b) which are placed on two side of the display unit (50), the containing space has a pair of containing holes (82) placed on its two sidewalls, and the display unit (50) has two locating hole placed on its two sidepieces respectively, the locating holes and the containing holes (82) are paired so as to locate the two pivots (16a,16b). Two ends of each pivot (16a, 16b) are correspondingly contained in the locating holes, so that the pivot (16a, 16b) connects the display unit (50) with the body (12).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Levine et al. (US 2003/0163898 A1), Duarte (US 2004/0062000 A1), Leung (US PN 6178085 B1), Kodaira (US PN 4264962), Washizuka et al.

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(US PN 4104727), Duarte (US PN 6829139 B1), Madsen et al. (US 2005/0057891 A1), Riddiford (US 2005/0141179 A1), Levine et al. (US PN 6606762 B1), Shishido et al. (US PN 6816130 B1), & Chan (US PN 6637139 B1) show the general state of the art regarding portable computing devices with display and keyboard configurations.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ingrid Wright whose telephone number is (571) 272-8392. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2800, ext 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

7/18/05
IDW


LYNN FEILD
SUPERVISORY PATENT EXAMINER
TECHNICAL